

Mini CV Cor Jacobs

Graduate School: SENSE Research School
University: Wageningen University and Research Centre
Institute: Alterra
Research Group: Earth System Science – Climate Change

General information

Name: *Dr. ir. C M.J. Jacobs*
Date of birth: *27-02-1961*
Current position: *Researcher*

Fields of expertise: Micrometeorology, Air-water exchange, Land-atmosphere interaction, Gas exchange, Air quality

Qualifications (diploma's, degrees)

PhD Subjects: Micrometeorology, Boundary-Layer Meteorology, Land-Atmosphere Interactions
MSc (ir.) Subjects: Industrial Hygiene, Air Pollution, Meteorology
BSc Subjects: Environmental Hygiene: chemistry, physics, biology, statistics
(All at Wageningen Agricultural University)

Career

2002-present	WUR Alterra	<ul style="list-style-type: none">Greenhouse gas emissions (Veenweideproject, BSIK-ME1, CarboEurope, NitroEurope)Deposition of pesticides onto water surfacesEnergy budget of water bodies and conditioning of outdoor aquaculture ponds (De Zeeuwse Tong)Land-Atmosphere interactions and local coupling concepts (WATCH)Urban meteorology and climatology (BSIK COM29, Hitte in de Stad, Climate Proof cities)Validation of meteorological and carbon budget models (ELDAS, GEOLAND)
1996-2002	Royal Netherlands Meteorological Institute (KNMI)	<ul style="list-style-type: none">Project officer at the BSIK-KvR Programme OfficeExperimental Air-Sea InteractionAir-sea gas-exchange (ASGAMAGE)Wave-air interactions (Wave Follower design and experiment)micrometeorology of the atmospheric surface layer over the ocean
1995-1996	National Institute for Public Health and the Environment (RIVM)	<ul style="list-style-type: none">Modelling of deposition and dispersion of persistent organic pollutants at the regional scale.
1994-1996	Agricultural University Wageningen, dept. Meteorology	<ul style="list-style-type: none">Extension of the EUROS dispersion model.Modelling vegetation-atmosphere interaction over heterogeneous terrain (SLIMM project).
1989-1994	Agricultural University Wageningen, dept. Meteorology	<ul style="list-style-type: none">PhD research: "Direct impact of atmospheric CO2 enrichment on regional transpiration."
1987-1989	Agricultural University Wageningen, dept. Meteorology	<ul style="list-style-type: none">General research assistance: micrometeorological fieldwork, remote sensing, vegetation-atmosphere interaction.
1987	"Meteo Consult bv" Wageningen	<ul style="list-style-type: none">Feasibility of using METEOSAT Imagery for estimating rainfall amounts in Zambia.

Key publications (3 -5 over current review period 2007 - 2009)

1. Jacobs, C.M.J., A.F.G. Jacobs, F.C. Bosveld, D.M.D. Hendriks, A. Hensen, P. Kroon, E.J. Moors, L. Nol, A. Schrier-Uijl and E.M. Veenendaal, 2007: Variability of annual CO₂ Exchange from Dutch Grasslands. *Biogeosciences* **4**, 803-816.
2. Jacobs, C.M.J., Van Den Berg E., Van Jaarsveld J.A., 2007: Principles and main uncertainties of a methodology to assess gaseous deposition of pesticides onto small water bodies. In: *A.A.M. Del Re, E. Capri, G. Fragoulis and M. Trevisan (Eds.), Environmental Fate and Ecological Effects of Pesticides*. La Goliardica Pavese s.r.l., Pavia, 270-277.
3. Büker, P., L. D. Emberson, M. R. Ashmore, H.M. Cambridge, C.M.J. Jacobs, W.J. Massman, J. Müller, N. Nikolov, K. Novak, E. Oksanen, M. Schaub and D. de la Torre, 2007: Comparison of different stomatal conductance algorithms for ozone flux modelling. *Environmental Pollution* **146**, 726-735.
4. Jacobs, C.M.J., E.J. Moors, H.W. Ter Maat, R. Teuling, G. Balsamo, J.-C. Calvet, J. Ettema, M. Lange, B.J.J.M. Van Den Hurk, P. Viterbo, and W. Wergen, 2008: Evaluation of European Land Data Assimilation System (ELDAS) products using in situ observations. *Tellus* **60A**, 1023-1037.
5. Kruijt, B., J.-P. M. Witte, C.M.J. Jacobs and T. Kroon, 2008: Effects of rising atmospheric CO₂ on evapotranspiration and soil moisture: a practical approach for The Netherlands. *J. Hydrol.* **349**, 257-267.

Relevant scientific positions (2007 – 2009)

Memberships editorial boards:

n/a

Memberships renown scientific organisations:

American Geophysical Union

Dutch Society of Professional Meteorologists

Hirsch-index (based on ISI database)

January/February 2010: 10

Proofs of scientific esteem (2007 – 2009)

prizes, awards, personal top grants:

n/a

Key note lectures at international scientific symposia or congresses (max 3):

n/a

Relevant social positions (2007 – 2009)

(memberships advisory committees or boards of governments, NGOs, industries, etc.)

n/a
